8th Frankfurt MathFinance Conference

Derivatives and risk management in theory and practice

17-18 March 2008

Join Germany's leading Quant Conference

Details and registration at **http://conference.mathfinance.com**.

List of speakers

Prof Claudio Albanese	Independent Consultant
Dr Alexander Antonov	Numerix
Dr Oliver Caps	Dresdner Bank
Andrea Odetti&Sanjeev Shukla	Commerzbank
Dr Markus Himmerich	d-fine
Dr Jürgen Hakala	Standard Chartered
Fiodar Kilin	Quanteam AG
Prof Antje Mahayni	University of Duisburg-Essen
Dr Jan Maruhn	UniCredit Markets & Investment Banking
Prof Hans Mittelmann	Arizona State University
Prof Goran Peskir	University of Manchester
Dr Kay Pilz	Sal. Oppenheim
Prof Eckhard Platen	Sydney University of Technology
Prof Rolf Poulsen	University of Copenhagen
Dr Dietmar Schölisch	AXA
Dr Sven Ludwig&Håkan Norekrans	Sungard
Dr Jianwei Zhu	LPA

Topics

Long-Term Options in Foreign Exchange and Interest Rate Markets
Effective approximation of FX/EQ options for the hybrid models: Heston and correlated Gaussian interest rates
Using Compiler-Engineering Algorithms for Building Payoff Languages
Foreign Exchange Derivatives: Market Conventions and Smile Dynamics
The Continuous-Time Lattice Method --- Option Pricing through Matrix Diagonalization
Accelerating the Calibration of Stochastic Volatility Models
Options Pricing - From Theory to Practice
Effectiveness of CPPI Strategies under Discrete–Time Trading
Selected Applications of Optimization in Finance
Optimization Software for Financial Mathematics
Options Pricing - From Theory to Practice
High Performance Computing Techniques in Finance
The British Option
Option Pricing with No-Arbitrage Constraints
The Law of the Minimal Price
Auto-Static for the People: Risk-Minimizing Hedges of Barrier Options
Dynamic Hedging of Variable Annuities – TwinStar: The AXA Way
High Performance Computing Techniques in Finance
Generalized Swap Market Model and the Valuation of Interest Rate Derivatives

Info line: info@workshop.mathfinance.com

The conference is sponsored by

Commerzbank AG, Financial Engineering Team
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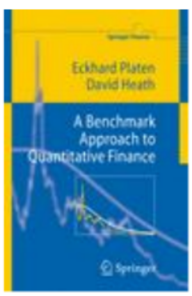
Preceding Workshop

Professor Dr Eckhard Platen

A Benchmark Approach to Quantitative Finance

Saturday 15 March 2008, 9:00 a.m. - 6:00 p.m.
Frankfurt, Germany

Course Overview



This one day workshop introduces into the benchmark approach, which provides a general framework for financial market modeling. It allows for a unified treatment of derivative pricing, portfolio optimization and risk management. It extends beyond the classical asset pricing theories, with significant differences emerging for longer dated products and risk measures. A new Law of the Minimal Price emerges for derivative pricing. A Diversification Theorem allows forming a proxy for the numeraire portfolio. The richer modeling framework of the benchmark approach allows the derivation of tractable, realistic models for equity indices, exchange rates, equities and the interest rate term structure fully under the real world probability measure. It will be explained how the approach differs from the classical risk neutral approach. Examples on long term and extreme maturity derivatives demonstrate the important fact that a range of contracts can be less expensively priced and hedged in reality than suggested by classical theory.

All delegates will be given a complimentary copy of the book.

- Starting financial modeling from the numeraire portfolio
- Deriving the Law of the Minimal Price
- Approximating the numeraire portfolio via diversification
- Consistent utility maximization and portfolio optimization
- Pricing nonreplicable claims consistently as an investment
- Pricing and hedging long term and extreme maturity contracts
- Equity index, FX, equity and term structure derivatives.

Trainer

Eckhard Platen holds a Chair in Quantitative Finance at the University of Technology in Sydney. Prior to this appointment he was the Founding Head of the Centre for Financial Mathematics at the Institute of Advanced Studies at the Australian National University in Canberra. He has authored more than 130 articles in quantitative finance and applicable mathematics, and is the co-author of two successful books on Numerical Methods for Stochastic Differential Equations. Core ideas from his new book (Platen/Heath: A Benchmark Approach to Quantitative Finance, Springer Finance (2006), ISBN 3-540-26212-1) will be presented and expanded at the workshop.

Audience

The course is designed for portfolio managers, risk managers, financial engineers, financial analysts, quantitative analysts, traders, and researchers.

Cost

950 EUR plus VAT

The VAT in Germany is currently 19%.

Booking

You can book online at

http://conference.mathfinance.com/2008/benchmark/registration.php

Venue

Frankfurt School of Finance & Management, Room 16

More information and booking at
http://conference.mathfinance.com/2008/benchmark/index.html